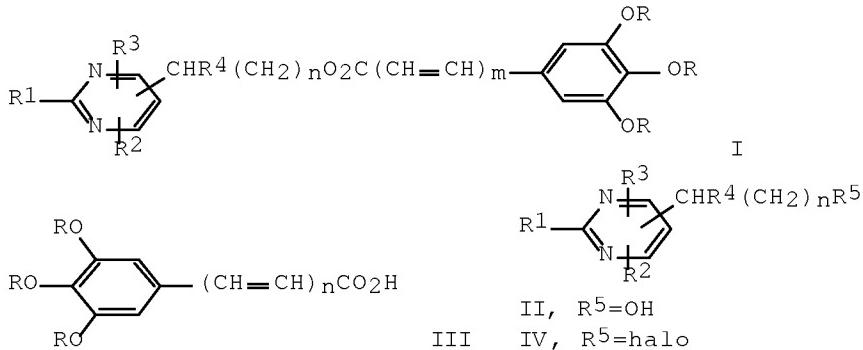


TITLE: (Acyloxyalkyl)pyrimidines and their acid salts
 INVENTOR(S): Takai, Akira; Maeda, Toyoo; Hori, Takako; Hiraiwa, Toru; Omori, Masaharu
 PATENT ASSIGNEE(S): Toyama Chemical Co., Ltd., Japan
 SOURCE: Jpn. Kokai Tokkyo Koho, 9 pp.
 CODEN: JKXXAF
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 LANGUAGE: Japanese
 FAMILY ACC. NUM. COUNT: 1
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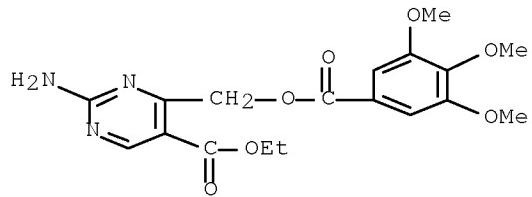


AB (Acyloxyalkyl)pyrimidines I ($R = \text{alkyl}$; $R1 = \text{OH}, \text{SH}, \text{NH}_2$, substituted NH_2 , alkyl, aryl, alkyloxy, alkylthio, heterocyclyl; $R2, R3 = \text{H}, \text{halo}, \text{OH}, \text{NH}_2$, substituted NH_2 , alkyl, alkyloxycarbonyl, heterocyclyl; $R4 = \text{H}, \text{alkyl}$, substituted alkyl, aryl, heterocyclyl; $m, n = 0, 1$) and their acid salts were prepared by reaction of pyrimidines II with carboxylic acids III or their derivs. or by reaction of IV with III salts. I had coronary vasodilating activity. Thus, 1.6 g 3,4,5-trimethoxybenzoyl chloride and 1 g 2-amino-4-methyl-5-hydroxymethylpyrimidine in pyridine were stirred 20 hr at 0-5° to give 70.9% 2-amino-4-methyl-5-(3,4,5-trimethoxybenzoyloxymethyl)pyrimidine. Among 6 addnl. I prepared were 2-amino-4-hydroxy-5-[β -3,4,5-trimethoxybenzoyloxy]ethyl]-6-methylpyrimidine, 2-piperidino-4-hydroxy-5-[β -(3,4,5-trimethoxybenzoyloxy)ethyl]-6-methylpyrimidine, 2-piperidino-4-hydroxy-5-[β -(3,4,5-trimethoxybenzoyloxy)methyl]-6-methylpyrimidine, 2-(4-methylpiperazinyl)-4-hydroxy-5-[β -(3,4,5-trimethoxybenzoyloxy)ethyl]-6-methylpyrimidine, and 2-morpholino-4-hydroxy-5-[β -(3,4,5-trimethoxybenzoyloxy)ethyl]-6-methylpyrimidine.

IT 60819-66-1P 60819-67-2P
RL: SPN (Synthetic preparation); PREP (Preparation)
 (preparation of)

RN 60819-66-1 ZCAPLUS

CN 5-Pyrimidinecarboxylic acid, 2-amino-4-[(3,4,5-trimethoxybenzoyloxy)methyl]-, ethyl ester (CA INDEX NAME)



RN 60819-67-2 ZCPLUS
CN Benzoic acid, 3,4,5-trimethoxy-, [2-amino-6-(dibromomethyl)-4-pyrimidinyl]methyl ester (CA INDEX NAME)

